Contribution ID: **103** Type: **Talk**

Managing Cyber Infrastructure and Data in Libraries and Archives

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Abstract
Managing Cyber Infrastructure and Data in Libraries and Archives
Cyber infrastructure encompasses a broad array of topics, including; data acquisition, storage, management, integration, mining, and visualization, as well as other computing and information processing services. Cyber infrastructure embraces systems for managing, archiving, preserving, and processing data, including digital libraries, digital archives, and the software and hardware to serve as a backup to them. However, not many libraries and archives have policies put into consideration for managing cyber infrastructure and data, in their library and archives systems.
This paper describes the basic knowledge and policies ensued with managing cyber infrastructure and data in libraries and archives systems.
The paper also identified the challenges encountered in managing cyber infrastructure and data in the library and archives to include problems of institutional framework or policies, information, and communication technology along with software and hardware development, skilled personnel training and education in components of cyber infrastructure and data development required to construct and operate advanced computing systems in the libraries and archives.
The paper concluded with a recommendation that, an institutional repository could be part of cyber infrastructure that could support the storage, management, and processing of research data in libraries and archives.
Keywords: Cyberinfrastructre, Data, Libraries and Archives
Word Count: 200

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CHPC Research Programme

Workshop Duration

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Session Classification: DIRISA

Track Classification: DIRISA